



MISSOURI BOTANICAL GARDEN

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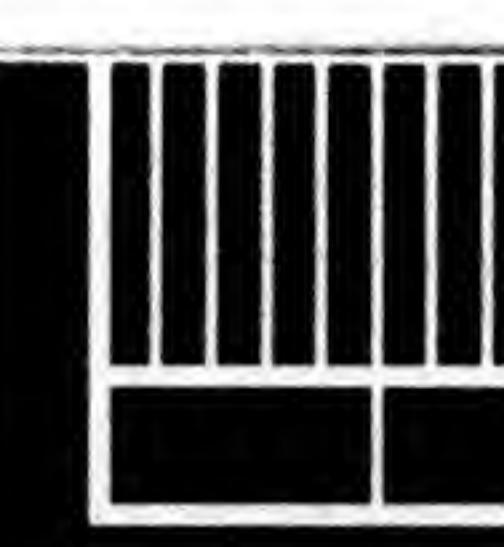


GEORGE ENGELMANN BOTANICAL NOTEBOOKS

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Yucca
Literature Extracts

47-59



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cm

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MISSOURI
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GARDEN

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Gepp 199 V 96

MISSOURI BOTANICAL GARDEN
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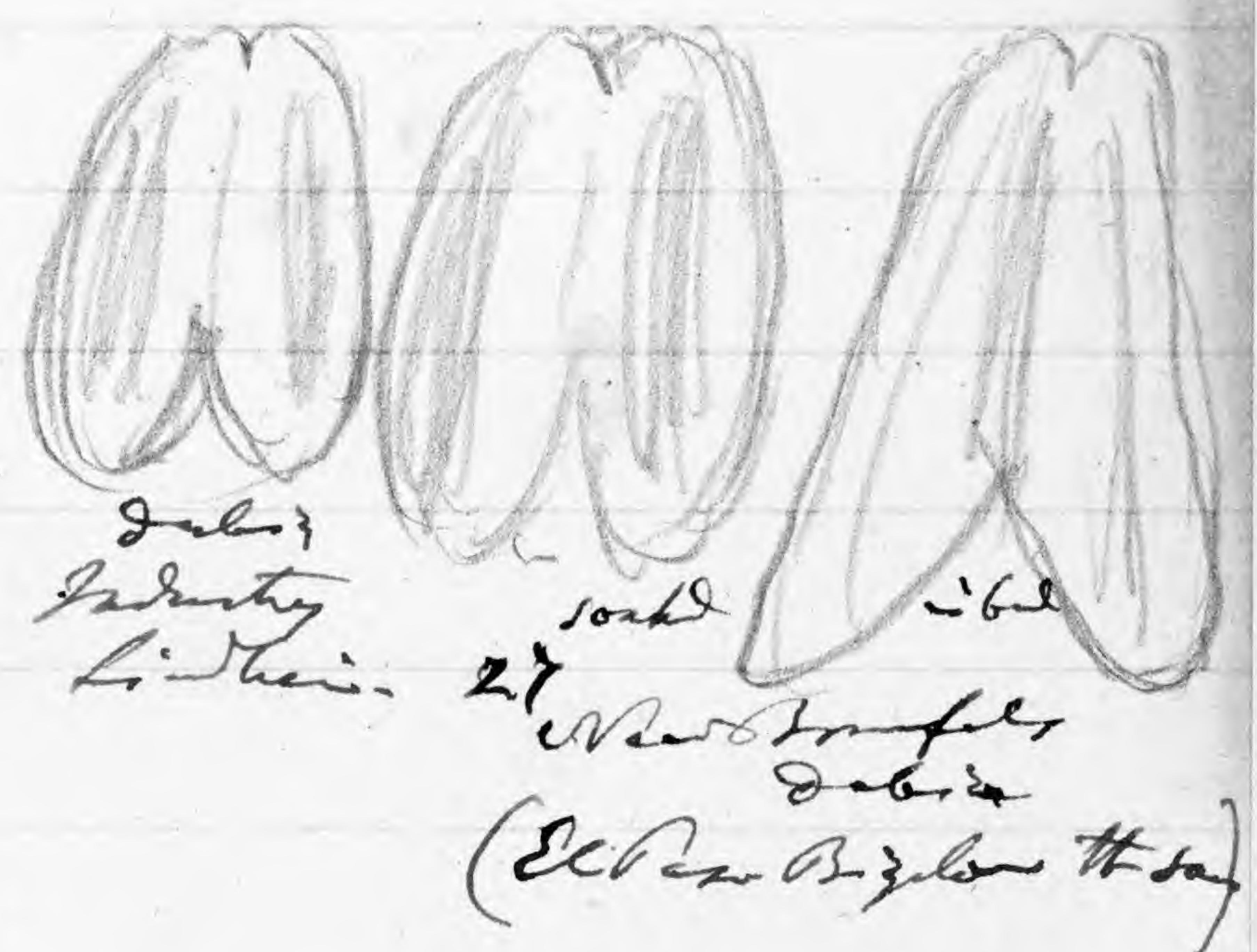


MISSOURI
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Stones of Yucca $\times 10$

numbers represent diameter of pollen $\times 415$

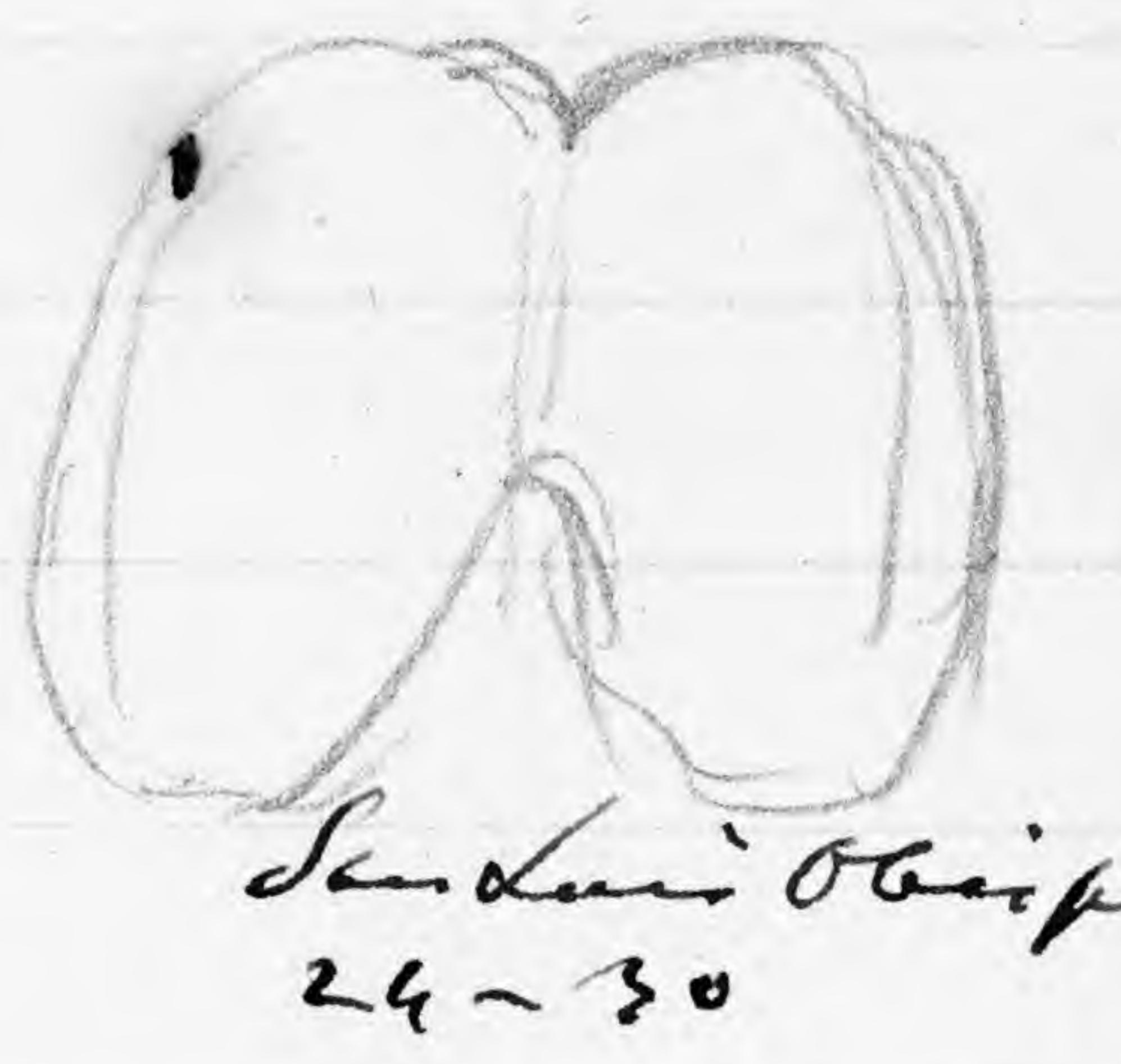
Augusta Polix



Yucca



Whipplei



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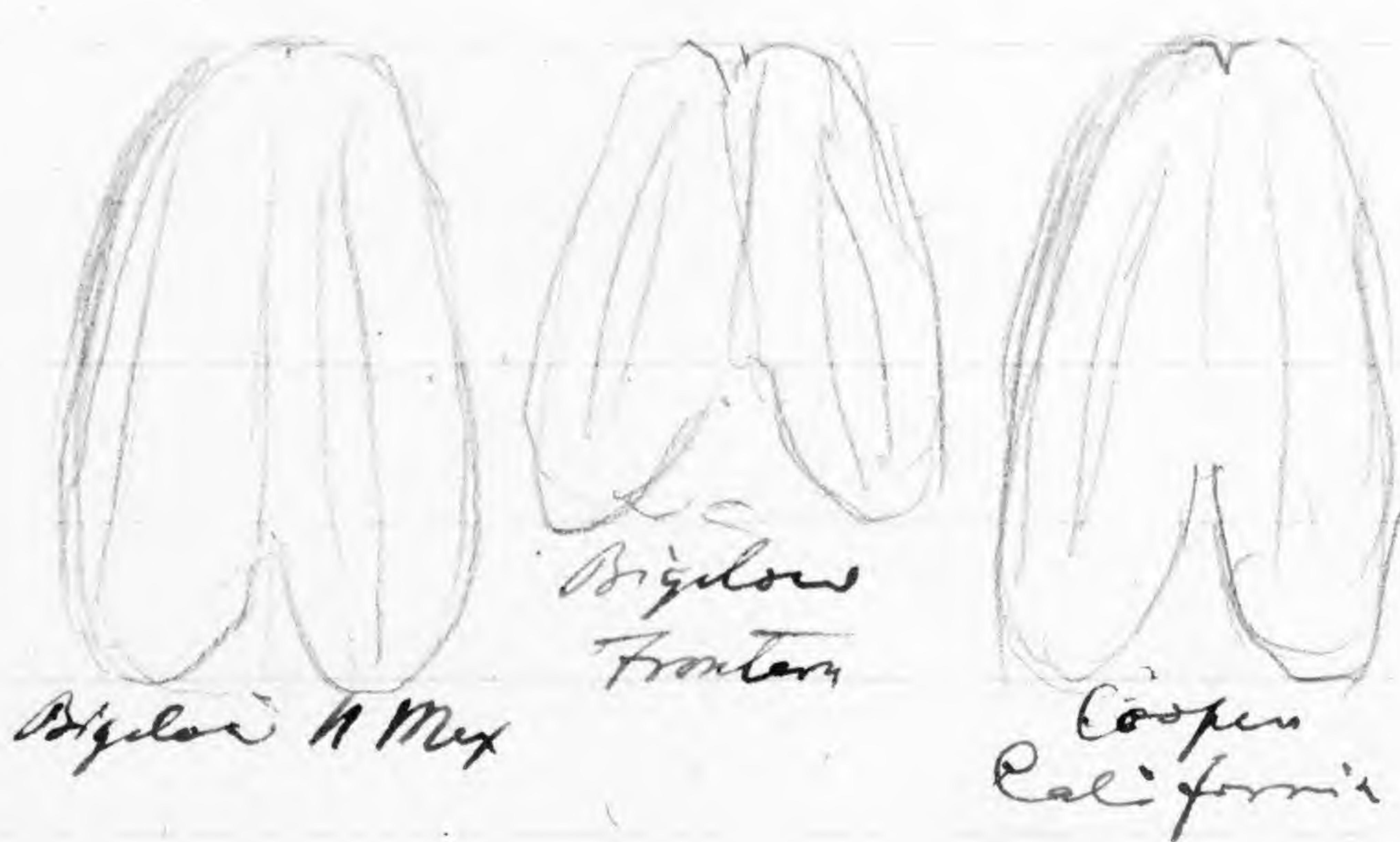
Anthers of *Yucca* X 10

the numbers represent diameter of Pollen $\times 415$.

barroata

Schottii

gloriosa



Bigelow & Max

Bigelow
Frontier

Cooper
California



Schott
Sonorae



Shaw's
gigantea
 $22-24$

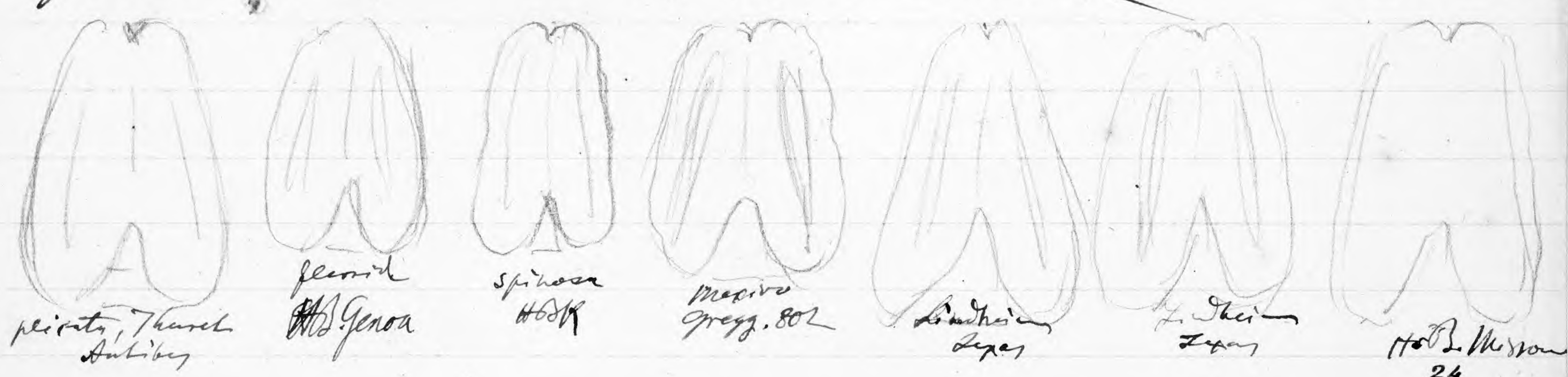


Stanis
gigantea
 $23-25$

gloriosa?

fructiculiana

canaliculata



pluriflora
Thunb.
Antibes

pluriflora
H. G. Genoa

spinosa
H. B. K.

macrocarpa
Gray. 802

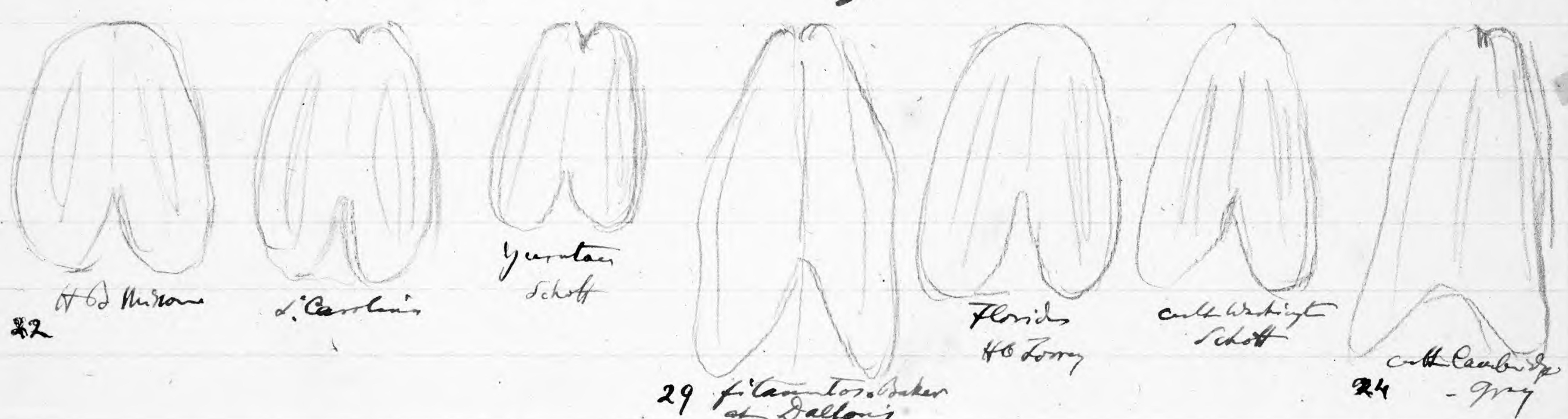
lanceolata
sparsa

lanceolata
Texas

H. B. Mission
 24

elatior

filamentosa



22
H. B. Mission

filamentosa

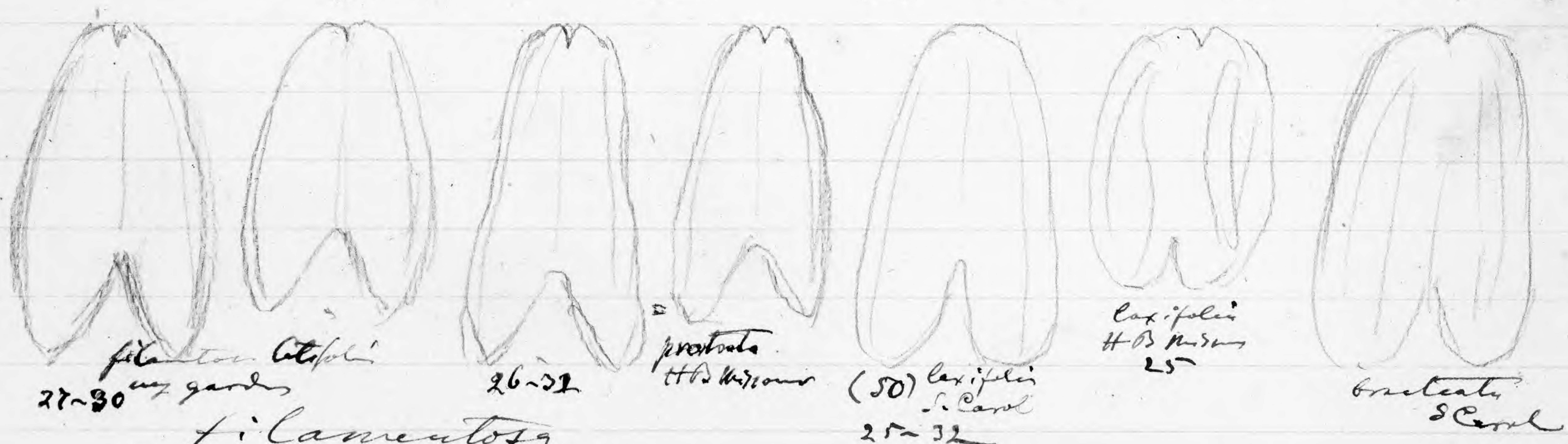
Yucca
Schott

floridana
H. B. Mission

cult. Wright
Schott

24
cult. Leake
Gray

filamentosa \rightarrow *elatior*



$27-30$
filamentosa
Atropurpurea
my garden

$26-32$

prolata
H. B. Mission

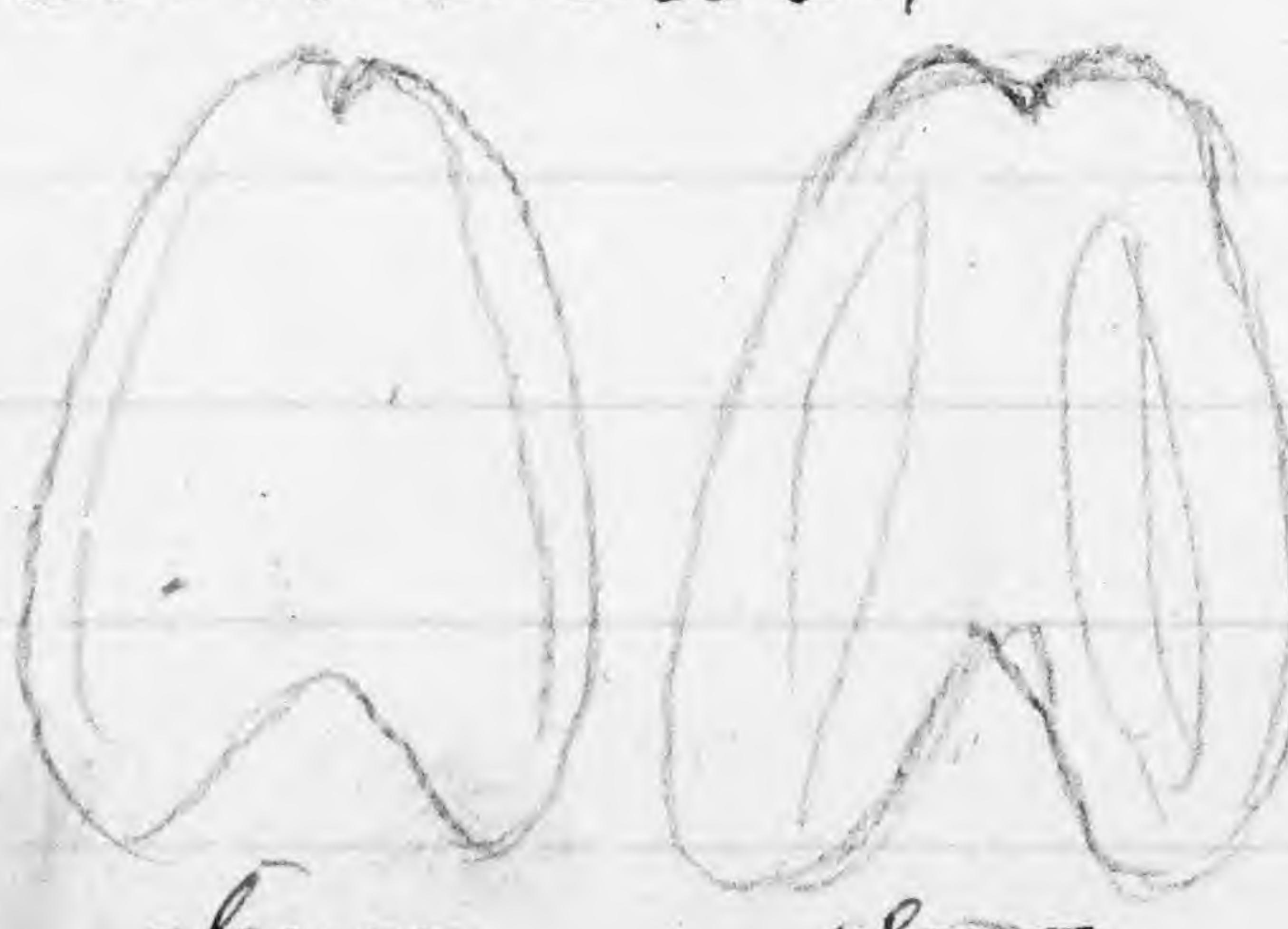
(50) *elatior*
S. Carol.

elatior
H. B. Mission

25

elatior
S. Carol.

filamentosa



glauca
my garden

glauca
W. Docters

$28-31$
glauca
my garden

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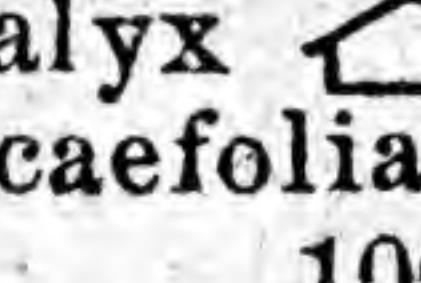
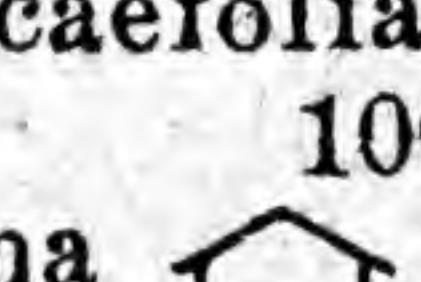
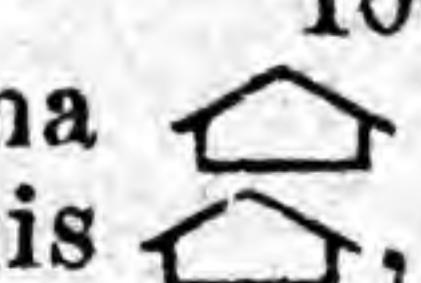
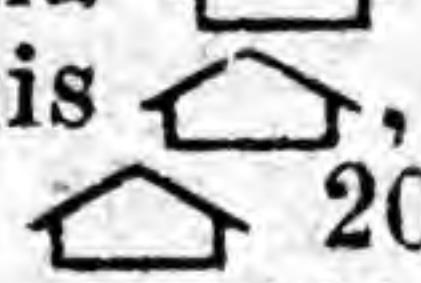
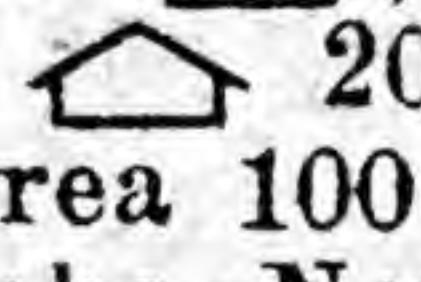
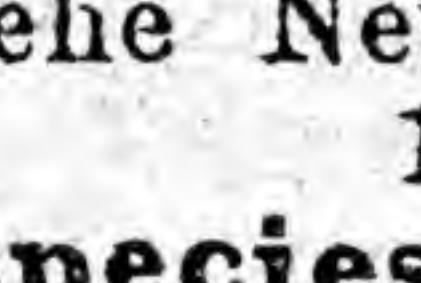
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No.		gr.	No.		gr.
13897	<i>Wigandia floribunda</i> 1000 S. 25 gr., 200 S.	6	13921	<i>Yucca angustifolia vera</i> , s. Neuheiten.	
13898	» <i>imperialis</i> , neu, die schönste.		13922	» <i>californica</i> . . . 100 » 30 » 10 »	5
	1000 S. 25 gr., 200 »	6	13923	» <i>Draconis</i> . . . 100 » 25 » 10 »	4
13899	» <i>mexicana</i> , siehe Neuheiten.		13924	» <i>filamentosa</i> . . . 20 Gr. 50 » à Port.	4
	1000 S. 25 gr., 200 »	6	13925	» <i>gloriosa</i> . . . » 50 » »	4
13900	» <i>urens</i> . . . 20 Gr. 1 $\frac{2}{3}$ fl., à Port.	4	13926	» <i>quadricolor</i> . . . 100 S. 40 » 10 S.	5
13901	» <i>Vigieri</i> . . . » 1 $\frac{2}{3}$ » »	4	13927	» species I bis IV von Californien , wahrscheinlich neu, von jeder 2 S. für 16	
13902	<i>Wilkiea calyptrocalyx</i>  . . . 1 S.	6	13928	» Whipplei , neue californische Spe- cies . . . 100 S. 3 $\frac{1}{3}$ fl., 5 S.	6
13903	<i>Wissadula periplocaefolia</i>  . . .		13929	<i>Zanonia macrocarpa</i> , merkwürdige Cucurbitacee 1 » 12	
	100 S. 20 gr., 10 »	4	13930	<i>Zanthoxylon brachyanthum</i> , 20 Gr. 50 gr., à Port.	4
13904	<i>Witheringia Gayana</i>  . . . 20 »	4	13931	» <i>clava Herculis</i> » 50 » »	4
13905	<i>Wormsia subsessilis</i>  , Dilleniacee 5 »	4	13932	» <i>spec. nova Australiae</i> 10 S.	5
13906	<i>Wrightia tinctoria</i>  20 Gr. 50 gr., à Port.	3	13933	<i>Zephyranthes Atamasco</i> 25 »	4
13907	<i>Xanthorhoea arborea</i> 100 S. 2 $\frac{1}{2}$ fl., 5 S.	5	13934	» <i>candida</i> 5 »	2
13908	» <i>hastilis</i> , siehe Neuheiten.		13935	» <i>carinata</i> 25 »	2
	100 S. 5 » 5 »	8	13936	» <i>ochroleuca</i> 25 »	2
13909	Xanthoxylon species? Mexico , siehe Neuheiten 2 S.	8	13937	» <i>rosea</i> 20 »	5
13910	<i>Xylomelum piriforme</i> , auffallende seltene Proteacee aus Neuholand 1 S.	5	13938	» <i>striata rosea</i> 20 »	5
13911	<i>Xylophylla</i>  <i>angustifolia</i> 20 »	5	13939	» <i>tubispatha</i> 10 »	3
13912	» <i>arbuscula</i> 20 »	5	13940	<i>Zieria lanceolata</i> . . . 100 S. 8 gr., 25 »	3
13913	<i>Yucca albo-spica</i> 100 S. 75 gr., 5 »	5	13941	» <i>octandra</i> 10 »	3
13914	» <i>aloifolia</i> 20 Gr. 9 gr., à Port.	2	13942	» <i>Smithi</i> 50 »	4
13915	» » <i>compacta</i> . . . 100 S. 36 gr., 10 S.	5	13943	<i>Zizyphus mucronata</i> 2 »	4
13916	» » <i>foliis</i> var. 100 » 15 » 20 »	4	13944	<i>Zygophyllum Morgiana</i> 1000 S. 40 gr., 50 »	3
13917	» » <i>gigantea</i> . . . 100 » 25 » 10 »	4			
13918	» » <i>rosea</i> . . . 100 » 20 » 10 »	3			
13919	» » <i>rubra</i> . . . 20 Gr. 50 » 20 »	4			
13920	» » <i>tricolor</i> . . . 100 S. 15 » 10 »	4			

Succulenten. PLANTES GRASSES.

No.		gr.	No.		gr.
13945	<i>Aeonium ciliatum</i> 200 S.	3	13992	<i>Aloe nobilis</i> 10 S.	3
13946	» <i>cuneatum</i> 200 »	3	13993	» <i>prolifera</i> 10 »	5
13947	» <i>giganteum</i> 100 »	3	13994	» <i>rigida</i> 100 S. 10 gr., 20 »	3
13948	» <i>Haworthi</i> 100 »	3	13995	» <i>Saponaria</i> 100 » 12 » 20 »	3
13949	» <i>molle</i> 100 »	3	13996	» <i>semiglabrata</i> 100 » 15 » 20 »	4
13950	» <i>urbanum</i> 100 »	3	13997	» <i>semimargaritifera</i> 100 » 15 » 20 »	4
13951	» <i>Youngi</i> 200 »	3	13998	» <i>species No. 9</i> 10 »	4
13952	<i>Agave americana</i> . . . 100 S. 36 gr., 10 »	4	13999	» <i>subnigricans</i> . . . 100 S. 25 gr., 10 »	4
13953	» <i>applanata</i> . . . 100 » 40 » 10 »	5	14000	» <i>translucens</i> . . . 100 » 20 » 10 »	3
13954	» <i>Boucheana</i> . . . 100 » 40 » 10 »	5	14001	» <i>trigona</i> 5 »	3
13955	» <i>densiflora</i> . . . 100 » 25 » 10 »	3	14002	» <i>verrucosa minor</i> 10 »	3
13956	» <i>filifera</i> . . . 100 » 50 » 5 »	3	14003	» <i>major</i> 10 »	5
13957	» <i>geminiflora</i> (<i>Bonaparte juncea</i>)		14004	» <i>virens</i> 10 »	3
	100 S. 20 gr., 20 »	5	14005	» viele Sorten gem. 100 S. 8 gr., 20 »	3
13958	» <i>heteracantha</i> . . . 100 » 25 » 10 »	4	14006	» Alle 29 Species für 3 fl.	
13959	» <i>mexicana</i> . . . 20 Gr. 35 » 20 »	3	14007	<i>Bonaparte gracilis</i> , prächtige Decora- tionspflanze . . . 100 S. 75 gr., 10 S.	8
13960	» <i>micrantha</i> . . . 100 S. 40 » 10 »	5	14008	» <i>juncea</i> . . . 100 » 20 » 20 »	5
13961	» <i>mitis</i> 100 » 25 » 10 »	3	14009	» <i>xalapensis</i> . . . 1000 » 75 » 20 »	4
13962	» <i>polyacantha</i> 5 »	3	14010	<i>Bryophyllum calycinum</i> , 1000 S. 20 » 100 »	3
13963	» <i>Verschaffelti</i> 100 S. 25 gr., 10 »	4	14011	<i>Bulbine asphodeloides</i> 100 » 8 » 25 »	3
13964	» » befruchtet mit <i>micrantha</i> . . 5 »	8	14012	» <i>frutescens</i> . . 100 » 8 » 25 »	3
13965	» » » <i>schidigera</i> . . 5 »	8	14013	» <i>semibarbata</i> . . 1000 » 20 » 100 »	4
13966	» <i>vivipara</i> . . . 100 S. 12 gr., 20 »	4	14014	<i>Cacalia balsamifera</i> 100 » 40 » 10 »	5
13967	» <i>xalapensis</i> . . . 100 » 12 » 20 »	4	14015	» <i>Kleinii</i> . . . 100 » 12 » 25 »	4
13968	» <i>xylinacantha</i> . . . 100 » 25 » 10 »	3	14016	<i>Cactus Aporocactus flagelliformis</i> . . . 20 »	5
13969	» <i>Yxtli</i> 100 » 40 » 10 »	5	14017	» <i>Cereus acanthocarpus</i> 20 »	5
13970	<i>Aichrysum dichotomum</i> 200 »	5	14018	» <i>acutangulus</i> 20 »	4
13971	» <i>Hamiltoni</i> 200 »	5	14019	» » <i>quadrangularis</i> 20 »	5
13972	» <i>immaculatum</i> 200 »	5	14020	» » <i>tetragonus</i> 20 »	4
13973	» <i>laxum</i> 200 »	5	14021	» » <i>Bonplandi</i> 20 »	3
13974	» <i>punctatum</i> 200 »	5	14022	» » <i>Candelabrum</i> 10 »	6
13975	» <i>villosum</i> 200 »	5	14023	» » <i>Curtisia</i> 5 »	4
13976	<i>Aloe arborescens</i> . . . 100 S. 8 gr., 20 »	3	14024	» » <i>eburneus</i> 5 »	4
13977	» <i>attenuata</i> . . . 100 » 12 » 20 »	3	14025	» » <i>eriophorus</i> 20 »	3
13978	» <i>brevifolia</i> . . . 100 » 20 » 10 »	3	14026	» » <i>giganteus</i> 10 »	4
13979	» <i>denticulata</i> . . . 100 » 12 » 20 »	3	14027	» » <i>grandis</i> 10 »	4
13980	» <i>brachyphylla</i> . . . 100 » 20 » 20 »	5	14028	» » <i>Hystrix</i> 20 »	4
13981	» <i>caesia</i> 100 » 8 » 20 »	3	14029	» » <i>Jamacaru</i> 20 »	5
13982	» <i>carinata pallida</i> 5 »	3	14030	» » <i>Macdonaldii</i> 10 »	5
13983	» <i>elongata</i> 10 »	4	14031	» » <i>Mailisoni</i> 20 »	5
13984	» <i>granata</i> 10 »	3	14032	» » <i>ruber</i> 10 »	5
13985	» <i>intermedia</i> 100 S. 20 gr., 10 »	3	14033	» » <i>Martini</i> 20 »	5
13986	» <i>latifolia</i> 100 » 20 » 10 »	3	14034	» » <i>peruvianus</i> 20 »	3
13987	» <i>lineata latifolia</i> , schön 10 »	4	14035	» » <i>monstrosus</i> 10 »	6
13988	» <i>margaritifera</i> 100 S. 10 gr., 20 »	3	14036	» » <i>Pitahaya fr. luteo</i> 20 »	6
13989	» <i>mitraeformis ferox</i> 100 » 20 » 10 »	3	14037	» » <i>platygonus</i> 20 »	4
13990	» <i>nigricans</i> 100 » 10 » 20 »	3			
13991	» <i>nitida</i> 100 » 15 » 20 »	4			

No.		gr.	No.		gr.
13745	<i>Tiglum purgans</i> Euphorbiacee	1 S.	13820	<i>Unona species ignota</i> Queensland	1 S. 2
13746	<i>Tillandsia farinosa</i> 100 S. 20 gr., 20	5	13821	<i>Urania speciosa</i> 100 S. 5 fl., 5	8
13747	» <i>gigantea</i> , siehe Neuheiten.		13822	<i>Uraria lagopoides</i> 100 » 25 gr. 10	3
	1000 S. 3 $\frac{1}{3}$, fl., 25	4	13823	» <i>obcordata</i> 10	6
13748	» <i>lingulata splendens</i> .		13824	» <i>paniculata</i> 10	6
	100 » 25 gr. 25	6	13825	» <i>picta</i> (Hedysarum), Prachtpflanze mit purpurrothen Blumen in langen cy- lindrischen Endtrauben.	
13749	<i>Tinnaea aethiopica</i>	1	13826	<i>Urena lobata</i> 100 » 25 » 10	3
13750	<i>Tinnantia fugax</i>	20	13827	<i>Urginea Scilla</i> . . . 20 Gr. 25 » à Port.	3
13751	<i>Torenia ciliaris</i> . . . 100 S. 20 gr., 20	5	13828	<i>Uropetalum serotinum</i> 10 S. 3	
13752	» <i>scabra</i> . . . 100 » 20 » 20	5	13829	<i>Urostigma bengalense</i> 1000 S. 40 gr., 100	5
13753	<i>Tournefortia angustifolia</i>	25	13830	<i>Urtica caracasana</i> à Port.	4
13754	» <i>fruticosa</i> 20 Gr. 50 gr., 25	4	13831	» <i>nivea</i> , China-Gras, 20 Gr. 30 gr., »	3
13755	» <i>sericea</i> 10	3	13832	» <i>utilis</i> »	5
13756	<i>Trachyandra revoluta</i> , Liliacee v. Cap 50	3	13833	<i>Vallota purpurea</i> 3 S. 5	
13757	<i>Tradescantia</i> <i>discolor</i> 10	4	13834	<i>Vanda suavis</i> 20 »	6
13758	» <i>lineata</i> 10	5	13835	<i>Veltheimia viridiflora</i> 10	4
13759	» <i>zebrina</i> 10	5	13836	<i>Verbena triphylla piperita</i> 100	8
13760	<i>Trevoa quinquervia</i> , Rhamnee von Chili, mit schöner glänzender Belaubung.				25
	20 Gr. 3 $\frac{1}{3}$, fl., à Port.	4	13837	<i>Verbesina</i> <i>alata</i> 100 S. 20 gr., 20	5
13761	» <i>trinervia</i> . . . 20 » 3 $\frac{1}{3}$ » »	4	13838	» <i>crocata</i> . . . 100 » 20 » 20	5
13762	<i>Trichonema Bulbocodium</i>	20 S.	13839	» <i>macrophylla</i> . . . 100 » 40 » 10	5
13763	» <i>candidum</i> . . . 1000 S. 40 gr., 50	3	13840	» <i>Sartori</i> . . . 100 » 20 » 20	5
13764	» <i>Columnae</i> . . . 1000 » 40 » 50	3	13841	» <i>serrata</i> . . . 100 » 30 » 10	4
13765	» <i>cruciatum</i> . . . 1000 » 40 » 50	3	13842	<i>Veronica Andersoni</i> 200	3
13766	» <i>filifolium</i> 5	2	13843	» <i>azurea nana</i> 200	3
13767	» <i>grandiflorum</i> 1000 S. 75 gr., 20	4	13844	» <i>buxifolia violacea</i> 200	3
13768	» <i>ligustrum</i> 20	4	13845	» <i>Delfossi</i> 200	3
13769	» <i>Linaresi</i> 20	4	13846	» <i>formosa</i> 25	4
13770	» <i>Parlatoris</i> . . . 1000 S. 75 gr., 20	4	13847	» <i>Gloire de Lyon</i> 200	3
13771	» <i>pulchellum</i> 20	4	13848	» <i>Hendersoni</i> 200	3
13772	» <i>purpurascens</i> 10	4	13849	» <i>alba</i> 100	3
13773	» <i>racemiflorum</i> . . . 1000 S. 40 gr., 50	3	13850	» <i>purpurea</i> 100	3
13774	» <i>gemischt</i> . . . 1000 » 40 » 50	3	13851	» <i>Hulkei</i> 100	4
13775	<i>Triphasia Aurantiola</i> 10	3	13852	» <i>hybrida</i> 100	3
13776	<i>Triptilion spinosum</i> 100 S. 20 gr., 20	5	13853	» <i>Liabaud</i> 200	2
13777	<i>Tristania conferta</i> . 20 Gr. 3 $\frac{1}{3}$, fl., 100	4	13854	» <i>Impératrice Eugénie</i> 100	3
13778	» <i>laurina</i> 100	4	13855	» <i>Impériale bleue</i> 200	3
13779	» <i>macrophylla</i> . . . 20 Gr. 3 $\frac{1}{3}$, fl., 100	4	13856	» <i>Lindleyana</i> 200	3
13780	» <i>neriifolia</i> 100	4	13857	» <i>Mad. Boucharat</i> 100	3
13781	» <i>speciosa</i> 100	4	13858	» <i>meldensis</i> 200	3
	Tritoma, siehe unter Stauden.		13859	» <i>miniata</i> 100	3
13782	<i>Tritonia</i> (Crocusma) <i>aurea</i> 10	5	13860	» <i>multiflora</i> 100	3
13783	<i>Triumfetta angulata</i> 3	6	13861	» <i>perfoliata</i> 100	3
13784	<i>Trochocarpa laurina</i> , reizende australische Epacridacee. 10	8	13862	» <i>purpurea</i> 200	4
13785	<i>Tropaeolum brachyceras</i> 2	4	13863	» <i>rubra splendida</i> 100	3
13786	» <i>pentaphyllum</i> . . . 100 S. 32 gr., 10	4	13864	» <i>salicifolia</i> 200	3
13787	» <i>sessilifolium</i> , die seltene Spe- cies durch uns eingeführt . . . 2	10	13865	» <i>speciosa</i> 200	2
13788	» <i>speciosum</i> . . . 100 S. 2 fl., 5	4	13866	» <i>coccinea</i> 200	3
13789	<i>Trymalium Billardieri</i> 100 » 6 gr., 20	2	13867	» <i>splendida</i> 200	3
13790	» <i>diversifolium</i> . . . 100 » 6 » 20	2	13868	» <i>Verschaffelti</i> 200	3
13791	» <i>globulosum</i> . . . 100 » 40 » 10	6	13869	» viele Sorten gem. 20 Gr. 100 gr., à Port.	3
13792	» <i>odoratissimum</i> . . . 100 » 15 » 20	4	13870	<i>Vestia lycioides</i> . . . 100 S. 30 gr., 10 S. 4	
13793	<i>Tupa Bridgesi</i> . . . 1000 » 45 » 50	4		Viburnum, siehe unter Laubhölzern.	
13794	» <i>crassicaulis</i> , orangescharlach. 1000 S. 40 gr., 50	3	13871	<i>Vieusseuxia alata</i> 10 S. 4	
			13872	<i>Viminaria denudata</i> 20 Gr. 25 gr., à Port.	3
13795	» <i>polyphylla</i> 25	4	13873	» <i>Preissi</i> 50 » »	4
13796	<i>Turnera ulmifolia</i> . . . 100 S. 20 gr., 10	3	13874	<i>Vinca rosea</i> 20 » »	2
13797	<i>Tweedia coerulea</i> . . . 20 Gr. 9 » à Port.	2	13875	» <i>fl. albo</i> . . . 20 » »	2
13798	» <i>floribunda</i> 12 » »	3	13876	» <i>alba pura</i> . . . 20 » »	2
13799	<i>Tydaea</i> <i>hybrida</i> , neueste Pracht- sorten, gemischt. 200 S. 5		13877	» <i>oculata lutea</i> . . . 20 Gr. 50 gr., »	4
13800	» <i>Clio</i> 50	4	13878	<i>Virgilia aurea</i> . . . 100 S. 25 gr., 10 S. 3	
13801	» <i>Comte de Flandre</i> . . . 50	4	13879	» <i>capensis</i> . . . 100 » 25 » 10	3
13802	» <i>Duc de Brabant</i> . . . 50	4	13880	» <i>intrusa</i> . . . 100 » 25 » 10	3
13803	» <i>Flandre</i> . . . 50	4	13881	<i>Visenia velutina</i> 100 » 25 » 10	3
13804	» <i>Duchesse de Brabant</i> 50	4	13882	<i>Visnea Mocanera</i> . . . 10	4
13805	» <i>Euterpe</i> 50	4	13883	<i>Vitis Baudiniana</i> 5	4
13806	» <i>gigantea</i> 50	3	13884	» <i>capensis</i> 5	4
13807	» <i>Hillii</i> 50	4	13885	» <i>hypoglaucia</i> (Cissus australasica), mit fünftheilig gefiederter Belaubung 5 S.	4
13808	» <i>Polymnia</i> 50	4	13886	<i>Volkameria aculeata</i> 100 S. 25 gr., 10	4
13809	» <i>Princesse Charlotte</i> . . . 50	3	13887	<i>Wahlenbergia gracilis</i> 50	4
13810	» <i>Troubetzkoy</i> . . . 50	4	13888	<i>Watsonia coccinea</i> 20 Gr. 50 gr., à Port.	4
13811	» <i>Thalia</i> 50	4	13889	<i>Webbia canariensis</i> . . . 100 »	4
13812	» <i>tricolor</i> 50	4	13890	<i>Wedelia elongata</i> 100 S. 40 » 10 S. 5	
13813	» <i>Wilhelmine Lefèvre</i> . . . 50	4	13891	<i>Weinmannia trichosperma</i> , prächtige Decorationspflanze. 1000 S. 75 gr., 25 S.	3
13814	» alle 14 Sorten, von jeder eine Prise für	45	13892	<i>Westringia latifolia</i> (grandiflora). 20 »	3
13815	<i>Tylophora asthmatica</i> , Asclepiadacee. 10 S. 6		13893	» <i>longifolia</i> . . . 100 S. 8 gr., 20	2
13816	<i>Uhdea</i> <i>bipinnatifida</i> , vollkom- mer Same . . . 1000 S. 150 gr., 20	6	13894	» <i>rosmarinifolia</i> . . . 100 » 5 » 25	2
13817	» <i>pyramidata</i> 100 » 40 » 10	6	13895	» <i>rubiaeifolia</i> . . . 100 » 12 » 20	4
	Umbilicus, siehe unter Succulenten.		13896	<i>Wigandia</i> <i>caracasana</i> . 20 Gr. 2 $\frac{1}{2}$ fl., à Port.	4
13818	<i>Uncaria Gambir</i> 100 S. 15 gr., 20 S. 4				
13819	Ugnadia speciosa, seltener, prachtvoller Baum von Texas, grosse Samen . . . 1	4			

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Polygala austriaca Crantz
uliginosa Reichb.
" *decipiens* Bess.

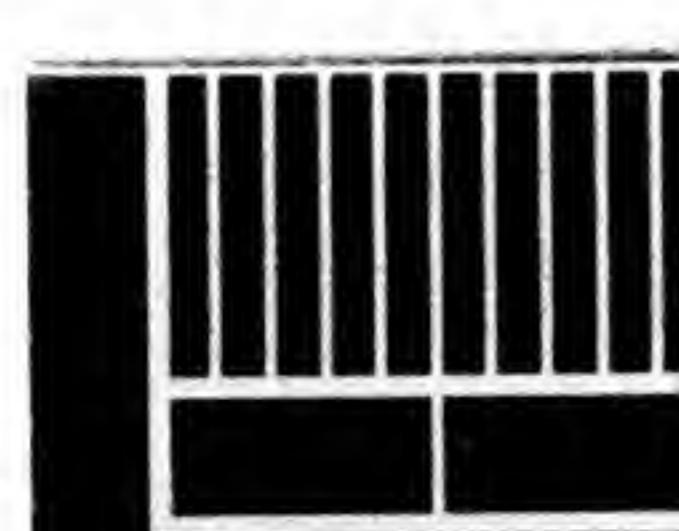
Spr III, 166

Amberinum ad Pamaram?

quae planta montana haec; austriaca;
planta planitiae; humidiorumque locorum
sit

Germania. Gallia med. Volhynia

In pratis uidis circa Darm-
stadt — prope Tegelberg
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Yuca by J. G. Baker in Gardner's Monatsh.

Jan 18 - Aug 20 1870 - Sept 10th 1870

I errato - marginatae

N. 25 pag. 828

1. Y. alocarpa L.
2. — Tenuior glauca
3. Y. — subflavida
4. Y. conspicua Haw.
5. Y. crenulata Haw.
6. Y. crenata Haw.
7. Y. tenuifolia Haw.
8. Y. Draconis Lin.
9. Y. spinosa H. & G.
10. Y. nippoloides Schle. Y. lutescens Carrière Rev. Hort. VII. 579
11. Y. Freycinetiana Carrière
12. Y. whipplei Torr.

albo - spica
espira
Parmatae

II filamentosa - marginatae

acaulis N. 28 p. 923

13. Y. angustifolia Park.
14. Y. ? paniflora Torr. = Hesperaloe yuccifolia Engelm.
15. Y. stricta Sims
16. Y. glaucescens Haw. = filamentosa?
17. Y. filamentosa Lin. syn Y. conorta Haw. Y. maxima C. & R.
18. Y. puberula Haw.
19. Y. glauca Haw.
20. Y. bacata Torr.

caulescens N. 33 p. 1088

21. Y. peruviana Baker
22. Y. polystachya Baker
23. Y. crenata Baker
24. Y. scabrifolia Baker
25. Y. fragilifolia Baker
26. Yuca of Barns Max. Boud. p. 222. Li a treelike Y. crenata

III Integro - marginatae

N. 34 p. 1122

27. Y. orchidoides Carrière 1861 acaulis
28. Y. glauca Sims
29. Y. tortulata Sims
30. Y. pinnosa Baker
31. Y. acuminate Sweet. adonosa?

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10pt 3⁹

III *Integro-margintae* *taulescentes* № 36 p. 1183

32. *Y. flexilis* Cambie Rev. Hort. VIII. p. 308 t. 89 hardy in England

33. *Y. gloriosa* Lin Knut. superba ^{is} obliqua ^{is} & *verglossa* ^{is} " molis & rugosa Cambie

34. *Y. decurvisfolia* Salisb. rugosa Haw. rugosa Haw.

35. *Y. gigantea* Lemoine Rev. Hort. p. 222 (flowered in Grand
[= ? *Y. frontosa*?] Texas 4½ foot Oct. 1859

36. *Y. Desmetiana* Host № 37. p. 1218 not hardy in Eng

37. *Y. semi-olivacea* Baker

38. *Y. cuneifolia* Host.

39. *Y. Boerhaaviae* Host

40. *Y. canaliculata* Hook fil. Det Mag. t. 5201

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J. C. Baker, on Yucca

Gardens Chronicle Sept 3. 1870

group II contd

No. 36 - pag 1183.

Integro - marginata

concentric forms, hardy in the South of England.

32. *Y. flexilis* Camb're Rev Hort. 8. p. 308 t. 89.

Stem short, buds few: leaves bright green shining as if varnished, fairly glaucous when young, when fully developed 26-28 inches long, 15-16 lines broad, at middle, narrowed gradually to an acute point, the outer ones gracefully reflexed, the central half flat, the edge entire, distinct, reddish, beneath pearlwhite 3-3½ inches long, divisions 15-18 lines broad (Camb're)

33. *Y. glauca* Linn sp pl. p. 456 Bot Mag t. 1260 Red. Ed. t. 326-27.

Bot suppl. p. 38 Knott in 4. 283 Camb're Rev Hort p. 359.

One of the best known and most variable species, to be seen in every collection. Stem reaching a height of 4-6 feet above the rosettes, much branched above luxuriant; leaves 100-120 in a dense rosette 26-27 inches long 3 inches broad in the middle narrowed to 15-18 lines above the base, full green, glaucous only when young, so rigid that the outer ones are not at all recurved; the face concave throughout, and marked with distinct plications upwards; point quite pungent. Base 3-4 lines thick; borders marked with a distinct brown edge, usually quite entire, rarely very slightly filiferous. Inflorescence 4-5 feet high, copiously branched; flower bell-shaped 1½-2 inches deep; the ovate lanceolate divisions 8-9 lines broad. A native of the Southern U.S. The fullest account of the forms of this species is contained in Camb're Rev Hort p. 359. The principal varieties with which I am acquainted are 1, glaucous, lamine like the type but permanently glaucous 2, *superba* (*Y. superba* Haw ^{suppl} Knott t. 4. Bot Reg. t. 1690). leaves more rigid and more glaucous than in the type 18-21 inches long 2-2½ broad, panicle denser and hardly more than half as tall.



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3. obliqua (Y. obliqua Hae Spp. by Knuth t. 274. 677. leaves and flowers smaller than in the type, the former more or less twisted to one side
 4. smallis Camire t. 6 360, a large variety with leaves 30-33 inches long $\frac{2}{3}$ inches broad, not so concave on the face as the type. 5 recunata Baker, leaves 28-30 inches long, 2-2 $\frac{1}{2}$ inches broad, at the middle, outer ones recurved, the central half nearly flat on the face, and the back but little raised, plication of upper part nearly very slight, point less pungent, colour very glaucous when young, but the bloom deciduous. Midway between *gloriosa* & *recunifolia*!

34. Y. recunifolia Salisb. Tard t. 51 Knuth t. 272 Y. recuna Hae Spp. by. Suppl 35. Y. pendula Lichsd. Camire Rev Host. p. 488 t. 104. Stems shorter but more branched than in last, rarely a yard high. Leaves 150-180 in a close rosette, 2-3 feet long when fully developed 2-2 $\frac{1}{2}$ inches broad at middle, narrowed to 1 inch above the base, all finely more or less felately curved, the face nearly flat throughout, point less pungent than in *gloriosa*, texture not so thick, back only rounded near the tip and in the lowest quarter; colour bright apple green, fairly glaucous when young, edge quite entire with a narrow distinct brown border; panicle 4-5 feet high, lower branches erecto-patent 12-18 inches long. The campanulate perianth 2 inches deep, divisions nearly an inch broad. A native of the Southern U.S. hardly different in English gardens. Camire's new name is superfluous; he says it is cultivated in France as *recuna*, *reflexa*, or *japonica*. Y. recurvata Hae is apparently only a slight variety.

35. Y. gigantea Lema. Rev. Host p. 222 Known to me only from the Rev. Host. The plant flowered in the collection of Verschaffelt at Gand, October 1859. Stem 4 feet long below the tuft of leaves. Leaves 5 $\frac{1}{4}$ -5 $\frac{1}{2}$ inches long, 3 inches broad at middle, bright shining green, edge entire, whitish; panicle 2 feet long copiously branched; perianth cream coloured 3 $\frac{1}{2}$ inches deep, divisions connivent ovate acuminate.

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Kunth, L. 4. 270 1843.

. *Yucca*

conspicua Haw
aloefolia Linne Arbor Jamaicæ Mexicæ
serrulata Haw. compuncta
Dracaenæ Linne Carolina
crinita Haw.
arrieta Haw.
tennifolia Haw.

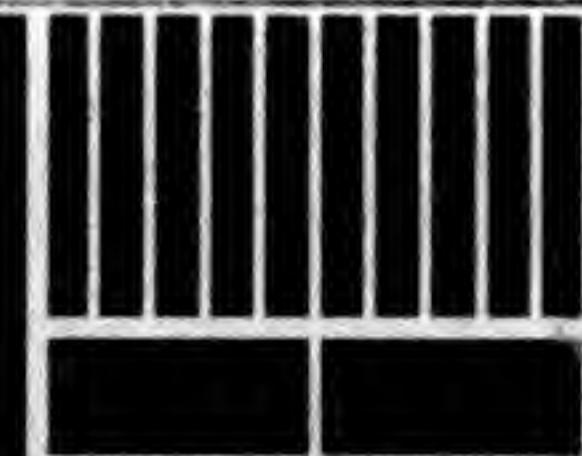
— *spicosa* Thunb. Mexico

— *coava* Haw
filamentosa Linne Am. sord.
leucocarpa Haw. Am. bore.
recurvifolia Salisb. Georgia
glaucescens Haw. Am. sept.
angustifolia Pursh Am. sept.
stricta Sims Carolina

— *superba* Haw

gloriosa Linne Cauda Æ. Carolina Rose
reflexa Haw.
acuminata Sweet.
obliqua Haw.
glaucia Sims Carolina

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ASSOCIATIONS FOR ITS PROMOTION.

The British Association for the promotion of Social Science was founded by Lord Brougham in 1857. It has held thirteen annual meetings, and published thirteen volumes of transactions.

There is a similar Association on the continent of Europe, known as the International.

The American Association for the promotion of Social Science was organized in Boston in 1865. It has published two numbers of a periodical entitled the "Journal of Social Science," edited by Henry Villard, Esq., Boston.

The Western Social Science Association, by whom this brief statement is issued, was organized at Chicago in 1868, and has held only one meeting. The Corresponding Secretary's address is Rev. Fred. H. Wines, Springfield, Ill. The President is Z. R. Brockway, Esq., Detroit, Mich.

Both the American and the Western Associations propose to hold annual meetings and publish transactions as fast as funds for that purpose can be obtained. They are laboring to secure the active interest and co-operation of all who are engaged in the cause of Social Reform in any of its departments—professors in colleges, officials of public institutions, members of the national or State governments, professional men, students of science, and men or women in all the walks of life, whose minds and hearts are occupied with the problems of society.

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Linnaeus in Sp. Pl. ed 1 1753

Kew Sept 1869

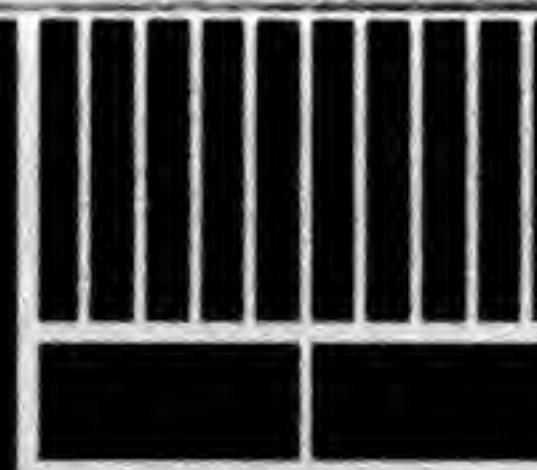
knows the following Yucca

Yucca gloriosa pliis int ogenwijk Canada Fern

Y. aloifolia — crenulatis strictis Jamaica ^{variously} branching

Y. draconis — crenatis nutantibus America

Y. filamentosa — filamentosus Virginia



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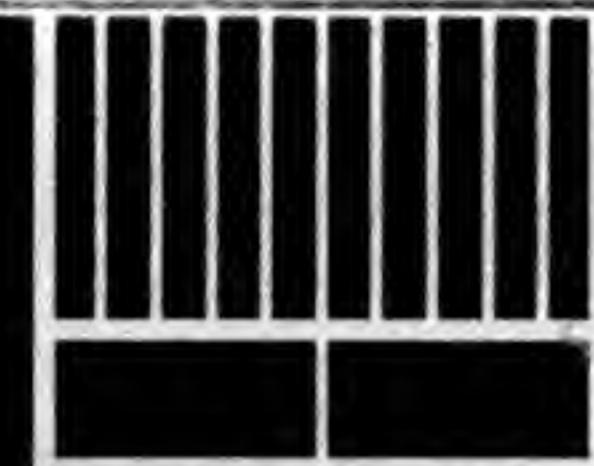
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Canisère Ann. Akademie
y. Franciana vol VII 1858 - 1861 - 1865 -
p. 580 p. 303 p. 55
y. lutescens Can. VII. 1858 = y. supula f. ex. Acker
(tortilis, contorta).
y. stricta VIII. 478. 1859
y. foliacea IX. 212 & max. idem ibi.
y. flava VIII. 555. 1859
y. eugrapha Can. IX. 20
y. orchisoides Can. 1861 369

SOUTHERN HOTEL, BARNUM'S HOTEL,

SOUTHERN HOTEL

Ward & Fourth Sts., Second & Second W. 208. 1897

THE SILVER SHOW IN WHICH

1 gloomy IX. 359

“O. T. & P. J. H. D. I. G. E. R. S. S. C. H. O. D.”

3 miles Cor. Hill. 488

Y. gigantea IX. 222

vol 7 1859
8 1857 1
9 1860 2
10 1861 3
11 1862 4

note to G. parviflora specimen ¹⁷ ~~across~~;



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St. Louis,

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R. Exh Belladon gr XV
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 Sarsch allii 3*lb*
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GEORGE ENGELMAN, M. D.,
 S. W. CORNER FIFTH & ELM STREETS.



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